

Comparisons of Job Characteristics

Focus Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)

Associated Occupation: Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 79

Focus Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)

Associated Occupation: Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Computers and Electronics	8.4	17.5	5.5	<<	Extensive education and/or training may be required
Mechanical	6.8	16.4	17.7	0	Current knowledge level may be sufficient
Engineering and Technology	5.7	11.7	9.2	<	Expanded education and/or training may be required
Design	5.2	9.6	6.3	<<	Extensive education and/or training may be required
Telecommunications	3.9	6.9	1.8	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)

Associated Occupation: Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Quality Control Analysis	5.9	13.3	11.9	<	A higher skill level may be required
Repairing	3.4	13.3	14.0	0	Current skill level may be sufficient
Operation Monitoring	6.6	12.6	9.8	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	12.0	12.6	0	Current skill level may be sufficient
Equipment Maintenance	3.5	11.1	11.5	0	Current skill level may be sufficient
Equipment Selection	3.3	10.5	10.4	0	Current skill level may be sufficient
Installation	1.7	9.3	7.4	<	A higher skill level may be required

Technology Design	2.6	6.3	3.9	<<	Extensive development of skills in this area may be required
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The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities	Similarity of Focus Occupation to Associated Occupation: 83
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Focus Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092) Associated Occupation: Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Finger Dexterity	7.6	12.9	13.9	0	Current ability level may be sufficient
Category Flexibility	9.0	11.9	8.6	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	11.2	12.5	>	Current ability level is likely sufficient
Flexibility of Closure	7.8	11.0	8.0	<<	Extensive improvement in abilities may be required
Perceptual Speed	7.4	10.7	7.2	<<	Extensive improvement in abilities may be required
Visual Color Discrimination	6.4	10.6	11.0	0	Current ability level may be sufficient
Hearing Sensitivity	5.6	9.3	9.8	0	Current ability level may be sufficient
Speed of Closure	5.9	8.8	8.5	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 81
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Focus Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092) Associated Occupation: Electrical and Electronics Repairers, Commercial and Industrial Equipment (49-2094)	
Work Activities	Exclusivity of Activity
Determine installation, service, or repair needed	58
Distinguish colors	44
Fabricate, assemble, or disassemble manufactured products by hand	11
Install or replace meters, regulators, or related measuring or control devices	66
Install/connect electrical equipment to power circuit	57
Maintain inventory of supplies	84
Maintain or repair industrial or related equipment/machinery	39
Perform safety inspections in industrial, manufacturing or repair setting	32
Read blueprints	10
Read schematics	34
Read technical drawings	7
Read work order, instructions, formulas, or processing charts	9
Repair or replace electrical wiring, circuits, fixtures, or equipment	49

Solder electrical or electronic connections or components	55
Test electrical/electronic wiring, equipment, systems or fixtures	54
Understand service or repair manuals	40
Understand technical operating, service or repair manuals	6
Use electrical or electronic test devices or equipment	40
Use hand or power tools	2
Use soldering equipment	44
Use voltmeter, ammeter, or ohmmeter	52

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

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Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.